SCOPE & DEFINITIONS

This Chapter contains criteria to control and abate pollution resulting from the storage, transport, and distribution of petroleum products. Criteria for Underground Storage Tanks (USTs) containing POL products are addressed in Chapter 19.

Bulk Storage Tanks – Refers to field-constructed tanks, usually having a capacity greater than 190,000 liters (50,000 gallons), and constructed above or below ground.

Pipeline Facility – Includes new and existing pipes, pipeline rights of way, auxiliary equipment (e.g., valves, manifolds, etc.), and buildings or other facilities used in the transportation of POL.

POL – Refined petroleum, oils, and lubricants.

POL Storage or Transfer Facilities – Any individual above-ground tank of 2,500 liters (660 gallons) or greater; aggregate above-ground storage of 5,000 liters (1,320 gallons) or greater; UST storage of greater than 159,000 liters (42,000 gallons); or a pipeline facility.

Storage Tank – A fixed container designed to store POL.

Underground Storage Tank (UST) – Any tank including underground piping connected thereto, larger than 416 liters (110 gallons), that is used to contain POL products or hazardous materials and the volume of which (including the volume of connected pipes) is 10% or more beneath the surface of the ground, but does not include:

- Tanks with a capacity of less than 15,000 liters (3,963 gallons) containing heating oil used for consumption on the premises where it is stored
- Septic tanks
- Stormwater or wastewater collection systems
- Flow through process tanks
- Surface impoundments, pits, ponds, or lagoons
- Hydrant fueling systems
- UST containing "*de minimus*" concentrations of regulated substances
- Emergency spill or overflow containment UST systems that are expeditiously emptied after use
- Storage tanks located in an accessible underground area (such as a basement or accessible vault) if the storage tank is situated upon or above the surface of the floor

CRITERIA

C9.1 SPILL PLANS

Each installation will have a contingency plan to manage spills and releases at all POL storage and transfer facilities. Criteria for these plans are found in Chapter 18 of this document. These plans

must be written specifically for each POL facility, certified by a competent technical authority, and updated at least every 5 years or when there are significant changes to facilities or operations.

C9.2 GENERAL PROVISIONS

All POL above-ground bulk storage tanks must meet the following requirements:

C9.2.1 All above-ground bulk POL storage tanks must be provided with a secondary means of containment (dike and basin). Each containment system must meet the larger of the following volumes:

- Equal to the volume of the largest AST plus sufficient freeboard to allow for precipitation and expansion of product
- Equal to one-third of the total capacity stored in the ASTs in the containment system

C9.2.2 Maximum permeability for containment areas will be 10^{-7} cm/sec.

C9.2.3 Drainage of stormwaters from containment areas will be controlled by a valve that is locked closed when not in active use.

C9.2.4 Before draining stormwaters from containment areas, they will be inspected for petroleum sheen. If a petroleum sheen is present it must be collected with adsorbent material prior to drainage, or treated using an oil-water separator. Disposal of adsorbent material exhibiting the hazardous characteristics in Table 5.1 will be in accordance with Chapter 6 of this document.

C9.3 TANK WASTES PROVISIONS

POL tank cleaning wastes frequently have hazardous characteristics (as defined in Table 5.1) and must be handled and disposed of according to the requirements of Chapter 6 of this document. These wastes and handling procedures include:

C9.3.1 Tank cleaning wastes (sludge and washwaters) will be disposed of in accordance with the criteria of Chapter 6 of this document, unless testing confirms they do not have hazardous characteristics as defined in Table 5.1.

C9.3.2 Tank bottom waters (which are periodically drained from bulk storage tanks) will be collected and disposed of in accordance with Chapter 6 of this document, unless testing confirms they do not have hazardous characteristics.

C9.4 GENERAL POL PIPELINE PROVISIONS FOR TESTING AND MAINTENANCE

All pipeline facilities carrying POL must be tested and maintained in accordance with recognized U.S. or European industry standards. This includes these requirements:

C9.4.1 Each pipeline operator handling POL will prepare and follow a procedural manual for operations, maintenance, and emergencies.

C9.4.2 Each new pipeline facility and each facility in which pipe has been replaced or relocated must be tested in accordance with recognized U.S. or European industry standards, without leakage before being placed in-service.

C9.5 GENERAL POL PIPELINE CONSTRUCTION

All pipeline facilities with a construction start date after 1 October 1994 will be designed and constructed to meet recognized U.S. or European industry standards.

C9.6 POL SPILLS & LEAKS

To control accidental POL releases, the installation must follow the guidance in the spill plan required under C18.2.2 in Chapter 18.

C9.7 INVENTORY OF POL STORAGE FACILITIES

An updated inventory of POL storage facilities shall be submitted to the Italian Base Commander every 6 months. The Italian Base Commander may transmit the inventory to the Italian Ministry of the Industry (see Chapter 1 for the process). The inventory shall include a listing of each POL storage unit (ASTs, USTs, and packaged POL products stored at quantities of 2 meters^3 [528 gallons] or greater at an individual location) and the capacity and content of that unit.

ADMINISTRATIVE ITEMS

1. An updated inventory of POL storage facilities shall be submitted every 6 months to the Italian Base Commander, who may transmit the inventory to the Italian Ministry of the Industry (see Chapter 1 for the process). The inventory shall include a listing of each POL storage unit (ASTs, USTs, and packaged POL products stored at quantities of 2 meters^3 [528 gallons] or greater at an individual location) and the capacity and content of that unit.